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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicants : LeRoy Dickson et al.  
Application Serial No.: 09/965,123  
Filing Date : September 27, 2001  
Title: DOE-BASED SYSTEMS AND DEVICES FOR PRODUCING  
LASER BEAMS HAVING MODIFIED BEAM  
CHARACTERISTICS  
Examiner : Faye Assaf  
Group Art Unit : 2872  
Attorney Docket No. : 108-010USANA0

Honorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

**THIRD AMENDMENT**

Sir:

Prior to examination of the present Application, please amend the same as following:

**AMENDMENT OF THE CLAIMS**

Please enter new claims 114-122 as follows:

Claims 1-71 (canceled)

Claim 72 (previously presented): A laser beam producing system comprises:

a visible laser diode (VLD), for producing a laser beam from its junction;  
a collimating lens (L1) for collimating the laser beam as it is transmitted through  
collimating lens L1 and through the system in an S-incident manner;  
a fixed spatial-frequency diffractive optical element (DOE) denotable by D1;  
a fixed spatial-frequency diffractive optical element (DOE) denotable by D2; and  
a focusing lens (L2) disposed between DOE D1 and DOE D2 and adjustably translatable  
along its optical axis for focusing the output laser beam to some point in space.

Claim 73 (previously presented): The laser beam producing system of claim 72, wherein said